

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Chapman et al.

**Serial No.:** Not yet assigned

**Filed:** July 22, 2003

**For:** CONCAVE FACE WIRE BOND  
CAPILLARY AND METHOD

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 3635.4US  
(98-0029.04/US)

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

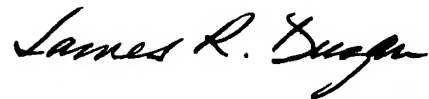
Sir:

The present application is a continuation of application Serial No. 10/155,317, filed May 23, 2002, pending, which is a continuation of application Serial No. 09/940,203, filed August 27, 2001, now U.S. Patent 6,439,450, issued August 27, 2002, which is a continuation of application Serial No. 09/649,209, filed August 28, 2000, now U.S. Patent 6,311,890, issued November 6, 2001, which is a continuation of application Serial No. 09/162,649, filed September 29, 1998, now U.S. Patent 6,158,647, issued December 12, 2000.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior applications, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 form listing all of the information of record in the prior applications is enclosed herewith.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

Respectfully submitted,



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Date: July 22, 2003

JRD/sls:djp

Enclosure: Form PTO-1449

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number (Optional) <b>3635.4US (98-0029.04/US)</b>	Application Number <b>N t yet assigned</b>
	Applicant <b>Chapman et al.</b>	
	Filing Date <b>July 22, 2003</b>	Group Art Unit <b>Unknown</b>

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,087,239	04/1963	Clagett			
	3,643,321	02/1972	Field et al.			
	4,030,657	06/1977	Scheffer			
	4,327,860	05/1982	Kirshenboin et al.			
	4,415,115	11/1983	James			
	4,434,347	02/1984	Kurtz et al.			
	4,513,190	04/1985	Ellett et al.			
	4,778,097	10/1988	Hauser			
	4,886,200	12/1989	Tsumura			
	4,974,767	12/1990	Alfaro et al.			
	5,003,373	03/1991	Tsumura et al.			

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance. Include copy of this form with next communication to the applicant.

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>			Applicant <b>Chapman et al.</b>			
			Filing Date <b>July 22, 2003</b>		Group Art Unit <b>Unkn wn</b>	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,148,959	09/1992	Cain et al.			
	5,172,851	12/1992	Matsushita et al.			
	5,217,154	06/1993	Elwood et al.			
	5,302,550	04/1994	Hirota et al.			
	5,421,503	06/1995	Perlberg et al.			
	5,437,405	08/1995	Asanasavest			
	5,445,306	08/1995	Huddleston			
	5,465,899	11/1995	Quick et al.			
	5,485,949	01/1996	Tomura et al.			
	5,516,029	05/1996	Grasso et al.			
	5,544,804	08/1996	Test et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

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### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,558,270	09/1996	Nachon et al.			
	5,603,445	02/1997	Hill et al.			
	5,662,261	09/1997	Fogal			
	5,871,141	02/1999	Hadar et al.			
	5,884,830	03/1999	Yamazaki et al.			
	5,891,796	04/1999	Nakamura et al.			
	5,931,368	03/1997	Hadar et al.			
	5,938,105	07/1997	Singh			
	5,984,162	11/1999	Hortaleza et al.			
	6,041,995	03/2000	Takahashi et al.			
	6,158,647	12/2000	Chapman et al.			
	6,311,890	11/2001	Chapman et al.			
	6,371,356	04/2002	Senuma			
	6,439,450	08/2002	Chapman et al.			
	6,595,406	07/2003	Chapman et al.			

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						YES	NO

### OTHER DOCUMENTS

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